



1. Explain the sales formula. Write an example.

$$\text{Sales} = \text{Expenses} + \text{Profit}$$

$$\text{Expenses} = 40 \text{ €}$$

$$\text{Profit} = 20 \text{ €}$$

$$\text{Sales} = 40 + 20 = 60 \text{ €}$$

2. What is the control digit for the following bar code: 84 34587 10345 ____

$$8 + 3 + 5 + 7 + 0 + 4 = 27$$

$$4 + 4 + 8 + 1 + 3 + 5 = 25 \times 3 = 75$$

$$27 + 75 = 102$$

$$+ 8$$

$$\hline 110$$

3. Do the following division, that is, calculate its quotient and its remainder: 527094 : 729

$$\begin{array}{r} 527094 \\ 1679 \\ 2214 \\ 027 \\ \hline \end{array} \quad \begin{array}{r} 1729 \\ 723 \\ \hline \end{array}$$



4. Work out the following operation step by step: $7 \cdot (25 - 5 \cdot 4) - (2 + 4 \cdot 3) =$

$$7 \cdot (25 - 20) - (2 + 12) =$$

$$7 \cdot 5 - 14 = 35 - 14 = \underline{21}$$

5. Obtain the result of each step for the next chain.

Twenty-three	Deduct 8	times two	increase by 9	divide by 3	double it	remove 1	share into 5 equal parts	times eight	one quarter of it
23	15	30	39	13	26	25	5	40	10

6. A farmer buys a cow for 1800 €. The cow consumes a sack of feed per day which costs 3 €. Every day, on average, the farmer gets 30 liters of milk, which sells for 1 € per liter. He sells it for 900 € after 120 days. What benefit has he obtained?

Expenses: 1800 €
 $3 \times 120 = 360 \text{ €}$
2160 €

Sales: $30 \cdot 120 = 3600 \text{ €}$
 900 €
4500

Profit: $4500 - 2160 = \underline{\underline{2340 \text{ €}}}$



7. A carrier has 18 mirrors that he plans to sell at 16 € each. 2 mirrors are broken in an accident. At what price does he have to sell the remainder mirrors to obtain the same amount of money?

$$18 \times 16 = 288 \text{ €}$$

$$18 - 2 = 16 \text{ mirrors remain}$$

$$288 : 16 = \underline{18 \text{ €}} \text{ new price each.}$$

8. Answer the following questions:

a) Calculate applying the distributive property: $13 \cdot (11 + 7) =$

$$13 \times 11 + 13 \times 7 = 143 + 91 = 234$$

b) Use the commutative property to make the operation easier.
After, make the calculation: $2 \cdot 7 \cdot 5 =$

$$2 \cdot 5 \cdot 7 = 10 \cdot 7 = 70$$

c) Use the associative property to make the operation easier.
Where do you have to write the parenthesis? $12 + 7 + 3 =$

$$12 + (7 + 3) = 12 + 10 = 22$$